



III. Gather Data

Alaska

- Click on the box that covers Alaska.
- Enter "46035" in the text box next to the "GO!" box.
- Click the "GO!" box.



A. Current Data for Alaska

1. What is the latitude? _____ longitude? _____

2. Time of last observation? _____

3. Current Meteorological Data

Temperature _____

Sea level pressure _____

Wind and Sea State Data

Sustained wind _____

Gust _____

Sea Surface Temperature _____

Detailed Wave Data

Significant Wave height _____

Average Wave period _____

B. Recent Observations for Alaska

- Scroll down to "Data Older than 24 Hours."
- Click "Real-time Data."
- Click on "description" to the right of "Real Time Standard Meteorological Data."

1. What does "ATMP" mean? _____

2. What does "WTMP" mean? _____

- Click "Back" to get back to the "46035 Real Time Data" site.





- Click on "Real Time Standard Meteorological Data".

Times in the chart are given in 24-hour format like military time. If the hour (hh) is given as 1 through 12, the times are a.m. and 12 o'clock is noon. If the hour is given as 13 through 23, subtract 12 from the time. You now have regular time p.m. If the hour is given as 00, it is midnight.



3. Record the air temperature and sea surface temperature (SST) for the last two days at 1am and 1pm (or close to it).

Date _____	Air temp _____	SST _____
1 am	_____	_____

1 pm	_____	_____
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Date _____	Air temp _____	SST _____
1 am	_____	_____

1 pm	_____	_____
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4. What was the highest water temperature? _____

5. What was the lowest water temperature? _____

6. What is the difference between the lowest and highest water temperatures? _____



- Click "Back" until you get back to the site with the world map.
- Click on the left box on the Gulf Coast (not Florida).



Mobile, Alabama

- Enter "42040" in the text box next to the "GO!" box.
- Click the "GO!" box.

C. Current Data for Mobile

1. What is the latitude? _____ longitude? _____

2. Time of last observation? _____

3. Current Meteorological Data

Temperature _____

Sea level pressure _____

Wind and Sea State Data

Sustained wind _____

Gust _____

Sea Surface Temperature _____

Detailed Wave Data

Significant Wave height _____

Average Wave period _____



D. Recent Observations for Mobile

- Scroll down to the "Data Older than 24 Hours" section.
- Click "Real-time Data."
- Click "Real time standard meteorological data."

1. Record the air temperature and SST for the last two days at 1am and 1pm (or close to it).

Date _____	Air temp	SST
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1 am	_____	_____
------	-------	-------

1 pm	_____	_____
------	-------	-------

Date _____	Air temp	SST
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1 am	_____	_____
------	-------	-------

1 pm	_____	_____
------	-------	-------

2. What was the highest water temperature? _____

3. What was the lowest water temperature? _____

4. What is the difference between highest and lowest temperatures?

E. Differences in Latitude

1. How many degrees latitude apart are Alaska and the Gulf Coast?

Bering Sea buoy _____ latitude

Mobile buoy _____ latitude (When you borrow, you
borrow 60 seconds)
_____ difference

2. How is temperature affected by latitude?

- Click "Back" until you get back to the OAR Ocean Temperature main site.